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EXAMINER

AMINI, JAVID A

ART UNIT	PAPER NUMBER
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2672

16

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/821,172

Applicant(s)

HIGGINS ET AL.

Examiner

Javid A Amini

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Response to Arguments

Applicant's arguments with respect to claim 1-21 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5, 7-10 and 15-21 rejected under 35 U.S.C. 102(e) as being anticipated by Tamano et al. (hereinafter referred as a Tamano) The Tamano reference has been sourced from information disclosure statement that Applicant filed on April 01, 2003.

1. Claim 1,

As per claim 1, line 5, "A system for automatically manipulating or annotating a second map when a first map is manipulated or annotated, the system comprising: Tamano in figs. 3-5 illustrates the limitation of the claim language. a map display; a map processing platform in communication with the map display, Tamano in fig. 6 illustrates the limitations. Wherein said map processing platform is adapted to: receive a user annotation at a first location on a first map; and simultaneously update a second map with the user annotation at a location on the second map that corresponds to said first location; Tamano in col. 8 lines 34-54 and also in figs. 10 and 11 illustrates it is possible to simultaneously choose a part in the first image information 1 and a part in the second image information 2 so that these parts can be linked to each other, an efficient

retrieval is realized. Figs. 11(a) through 11(e) corresponds to figs. 10(a) through 10(e), respectively. A storage platform coupled to the map-processing platform; see fig. 6. And a user interaction device coupled to the map processing platform, see fig. 2”.

2. Claim 2,

As per claim 2, “The system of claim 1 wherein the map display is enabled to display a first map in a first area of the map display and to display a second map in a second area of the map display”, Tamano in figs. 3-5 illustrates the limitations of the claim 2.

3. Claim 3,

As per claim 3, “the map display is coupled to a graphics adapter”, this step is inherent, because map processing platform (called VGA controllers) is consisting of: CPU, memory, operating system, motherboard and map display (called monitors) is consisting of a motherboard, CPU, memory, integrated circuits, board level programming and etc., this configuration is part of the integration of a simple computer. And communication is main function of these hardware and software.

4. Claim 4,

As per claim 4, “the processing platform is a microprocessor”, the step is inherent, because all computer-processing platforms equipped with a microprocessor.

5. Claim 5,

As per claim 5, “the map processing platform is an application service provider”, this step is inherent because Tamano in fig. 2 step 9 is equivalent to service provider platform.

6. Claim 7,

As per claim 7, “the storage platform comprises cached memory”, the step is inherent, because in order to accomplish faster transaction between storage platforms and display since last decade the chipmakers designed cashed memory inside CPU and storage systems.

7. Claim 8,

As per claim 8, “the storage platform comprises system memory”, the step is inherent, because Tamano teaches in fig. 2 step 13.

8. Claim 9,

As per claim 9, “The system of claim 1 wherein the storage platform comprises random access memory”, the step is inherent, because Tamano in fig. 2 step 13 illustrates main memory and also can be called RAM or random access memory.

9. Claim 10,

As per claim 10, “the user interaction device comprises a mouse”, the step is inherent, because Tamano in fig. 10(a), a cursor 103 is moved onto an object to be chosen, and an instruction to choose the object is input. The cursor 103 for choosing a mouse may manipulate the object or a pen input device, or may also be chosen by moving a finger or hand on a touch panel attached to the display screen.

10. Claim 15,

As per claim 15, “the storage platform maintains code that enables the automatic manipulation of a second map when a first map is manipulated by: determining a boundary of a geographic region of a first map; converting the boundary of the geographic region of the first map into a corresponding boundary of a second map; and is configuring the boundary of the second map for display”, Tamano in col. 2, lines 40-66 discloses that Image information linked with attribute

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information is hereinafter called first image information, and image information which approximately positionally corresponds to the first image information is called second image information and is not linked to the attribute information. Specifically, an object contained in the second image information is used as a key, and the attribute information linked with the first image information is retrieved by inputting a correspondence between the second image information and the first image information via the key, i.e. by selecting an object in the second image information.

11. Claim 16,

As per claim 16, “the storage platform maintains code that enables the automatic manipulation of a second map when a first map is manipulated by: determining a boundary of a geographic region of a first map; Tamano in figs. 3-5 illustrates the limitation of the claim language. converting the boundary of the geographic region of the first map into a corresponding boundary of a second map; configuring the boundary of the second map for display”, Tamano in col. 2, lines 40-66 discloses that Image information linked with attribute information is hereinafter called first image information, and image information which approximately positionally corresponds to the first image information is called second image information and is not linked to the attribute information. Specifically, an object contained in the second image information is used as a key, and the attribute information linked with the first image information is retrieved by inputting a correspondence between the second image information and the first image information via the key, i.e. by selecting an object in the second image information.

“Configuring the boundary of the second map for display”; “receiving a selection of a first region of a first map; and receiving an interaction for multiple map manipulation by providing a

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user interaction with a map” the steps are inherent because in order to provide the right coordinates, one must convert the results of correlation from XY coordinates to georeferenced coordinate and vice versa. Tamano in figs. 3-5 illustrates the claims language. The step is inherent because the user must be able to interact with new limitation and add new parameters to georeferenced map. Tamano in cols. 2 and 3 lines 66-67 and 1-14 discloses that there are user choices of display and operation, including: overlying the second image information with the second image information, or vice versa, in display; moving either the displayed first image information or the displayed second image information to correct the overlying relation between the display positions of the first image information and the second image information; and changing the area of overlay, causing new areas of the first image information to overlies the second image information. Accordingly, the attribute information is retrieved in response to inputting of an object choice from the second image information, as if through the inputting the second image information and the attribute information were directly connected to each other., and also see fig. 9 step 2200.

12. Claim 18,

As per claim 18, “detecting an annotation entry on the first map; associating the annotation entry with a set of first map coordinates; associating the set of the first map coordinates with a set of second map coordinates; and upon detecting the annotation entry, simultaneously enabling the display of the annotation entry on the second map”, See rejection of claim 1.

13. Claim 19,

As per claim 19, “associating the set of first map coordinates locates the annotation entry within the second map such that the set of second map coordinates correspond geographically to the

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location of the annotation as defined by the set of first map coordinates”, See rejection of claim 1.

14. Claim 20,

As per claim 20, “detecting an annotation entry on the first map; associating the annotation entry with a set of first map coordinates; associating the set of the first map coordinates with a set of second map coordinates; and upon detecting the annotation entry, simultaneously enabling the display of the annotation entry on the second map”, see rejection of claim 1.

15. Claim 21.

As per claim 21, “The system for automatically manipulating or annotating a second map of claim 1, wherein the map processing platform is adapted to: receive a user manipulation of a first map; and implement the user manipulation on a second map”, See rejection of claim 1.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 6, and 11-14 rejected under 35 U.S.C. 103(a) as being unpatentable over Tamano, and further in view of DeLorme.

16. Claim 6,

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As per claim 6, “the map processing platform is located remotely from the map display”, Tamano does not specify the platform is located remotely, however, Delorme teaches in (col. 5, lines 5-17) the database sources can be internal or external, local or remote, using memory devices and diverse communications links to multiple database sources and service centers. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Delorme into Tamano in order for updating maps and associated geographical objects with latest geographically related information in the first and second images of Tamano. And also Delorme provides communications access to a variety of database sources of updated information on latitude/longitude locatable objects. Therefore the modification of Tamano with Delorme would be beneficial to a user, because the portability of the equipment (for example: PDA) and the program of Tamano that display the first and second images simultaneously.

17. Claim 11,

As per claim 11, “the map processing platform and the map display are coupled via a network”, Tamano does not specify the platform is located remotely, however Delorme teaches in (col. 5, lines 11-16) the database sources can be internal or external, local or remote, using memory devices and diverse communications links to multiple database sources and service centers.

18. Claim 12,

As per claim 12, “the network is the internet”, the step is obvious because network can be connected via a modem to the Internet.

19. Claim 13,

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As per claim 13, "the storage platform is associated with the map processing platform via a network", Tamano does not specify the platform is located remotely, however Delorme teaches in (col. 5, lines 11-16) the database sources can be internal or external, local or remote, using memory devices and diverse communications links to multiple database sources and service centers.

20. Claim 14,

As per claim 14, "the network is the internet", the step is obvious because network can be connected via a modem to the Internet.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javid A Amini whose telephone number is 703-605-4248. The examiner can normally be reached on 8-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on 703-305-4713. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Javid A Amini
Examiner
Art Unit 2672

Javid Amini

Jeffery A. Brien
JEFFERY BRIEN
PRIMARY EXAMINER